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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/604,563	07/30/2003	Ray F. Campbell	BOE 0417 PA	1562
27256	7590	05/26/2004	EXAMINER	
ARTZ & ARTZ, P.C. 28333 TELEGRAPH RD. SUITE 250 SOUTHFIELD, MI 48034			KWOK, HELEN C	
			ART UNIT	PAPER NUMBER
			2856	

DATE MAILED: 05/26/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/604,563

Applicant(s)

CAMPBELL ET AL.

Examiner

Helen C. Kwok

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is FINAL. 2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1, 2 and 10-13 is/are allowed.
- 6) ☐ Claim(s) ____ is/are rejected.
- 7) ☒ Claim(s) 3-9 and 14-21 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

Claim Objections

1. Claims 3-9 and 14-21 are objected to because of the following informalities: ***

Appropriate correction is required.

In claim 3, lines 8-9, the phrase "said precision sine wave" lacks antecedent basis.

In claim 4, line 9, the phrase "said precision sine wave" lacks antecedent basis.

In claim 8, line 2, the phrase "said first digital word signal" lacks antecedent basis.

In claim 14, lines 8-9, the phrase "said first flexure plate dual bridge sensor signal" lacks antecedent basis. In line 22, the phrase "said second flexure plate dual bridge sensor signal" lacks antecedent basis. In lines 35-36, the phrase "said third flexure plate dual bridge sensor signal" lacks antecedent basis. In lines 48-49, the phrase "said fourth flexure plate dual bridge sensor signal" lacks antecedent basis. In lines 62-63, the phrase "a platform control signal" is vague. Is this the same platform control signal as mentioned in line 59? Please clarify. In line 65, the phrase "said first dual bridge sensor signal" lacks antecedent basis. In line 66, the phrase "said second dual bridge sensor signal" lacks antecedent basis. In line 68, the phrase "said second dual bridge sensor signal" lacks antecedent basis. In line 69, the phrase "said first dual bridge sensor signal" lacks antecedent basis. In line 70, the phrase "said third dual bridge sensor signal" lacks antecedent basis. In line 71, the phrase "said fourth dual bridge sensor signal" lacks antecedent basis. In line 73, the phrase "said fourth dual

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bridge sensor signal" lacks antecedent basis. In line 74, the phrase "said third dual bridge sensor signal" lacks antecedent basis.

In claim 18, line 2, the phrase "said first dual bridge sensor signal" lacks antecedent basis.

In claim 19, line 2, the phrase "receiving signals" is vague. Which signals is being referred to? In lines 2, 4, 6, 9 and 12, the phrase "said set of dual sigma converters" lacks antecedent basis.

Conclusion

2. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The references cited are related to inertial sensing devices.

3. This application is in condition for allowance except for the following formal matters as set forth above.

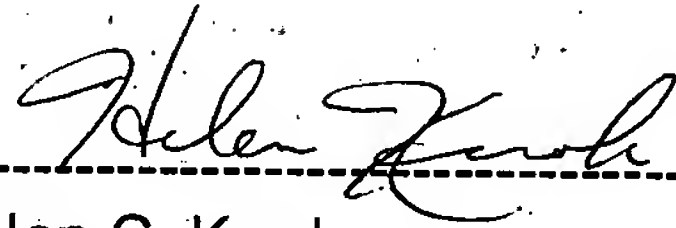
Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Helen C. Kwok whose telephone number is (571) 272-2197. The examiner can normally be reached on 8:30 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hezron E. Williams can be reached on (571) 272-2208. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Helen C. Kwok
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hck
May 20, 2004